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(54) Ozone water production apparatus

(57) Provided is an ozone water production apparatus capable of easily continuously obtaining ozone water having a high concentration by a water electrolytic process using a noble metal electrode which has been considered to have a low ozone generation efficiency without using a lead compound. An ozone water production apparatus in which an anode electrode and a cathode electrode to which a DC voltage is applied are put upon one surface and the other surface, respectively, of a solid electrolytic film, and water supplied to the anode electrode side is subjected to electrolysis to obtain ozone water, wherein a wire net made of noble metal having an ozone generation catalyst function is used as the anode electrode, and a lath net made of corrosion resistant metal is put upon the outer surface side of the anode electrode, the anode electrode and the lath net being sealed into a jacket having a water inlet on one end and an ozone water outlet on the other end thereof.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 061 (C-567), 10 February 1989 & JP-A-63 250480 (N V SHII:KK), 18 October 1988, * abstract; figure *	1,14	C02F1/78 C25B1/00		
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The present search report has been drawn up for all claims					
Place of search	Date of completion of the search	Examiner			
THE HAGUE	17 December 1996	Ruppert, G			
CATEGORY OF CITED DOCUMENTS					
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document					
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document					